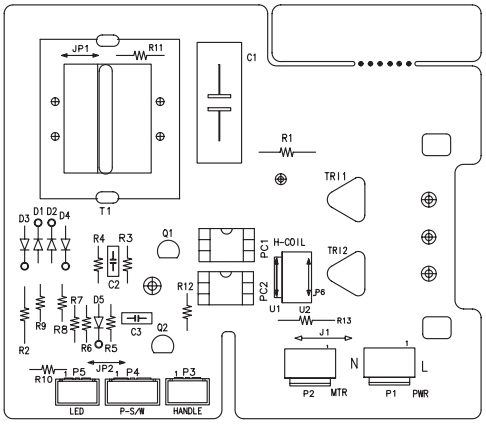
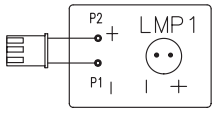
2. PCB Diagrams and Parts List

2-1. PBA MAIN (DJ41-00104 A/B)



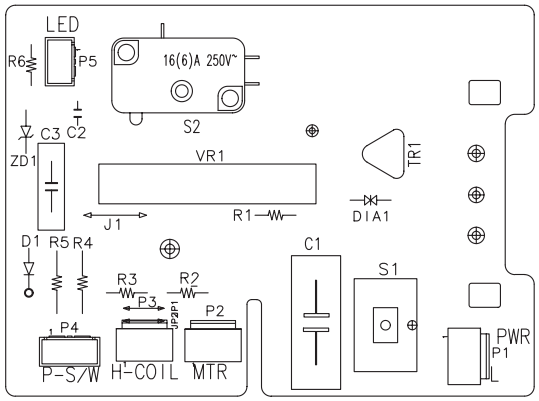


PBA DISPLAY

Location No.	Code No.	Description	Specification	A	B	Remarks
PBA MAIN	DJ41-00104A	PBA MAIN	EXPORT,HARMONIC,H-TYPE,230V,50Hz	1		●
PBA MAIN	DJ41-00104B	PBA MAIN	EXPORT,H-TYPE,230V,50HZ		1	●
R1	2003-000220	R-METAL OXIDE	220ohm,5%,1W,AA,TP,4.3x12mm	1	1	
R2	2003-000220	R-METAL OXIDE	220ohm,5%,1W,AA,TP,4.3x12mm	1		
R2	2003-000351	R-METAL OXIDE	680ohm,5%,1W,AA,TP,4.3x12mm		1	
R3	2001-000027	R-CARBON	100OHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R4	2001-000113	R-CARBON	18KOHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R5	2001-000070	R-CARBON	15KOHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R6	2001-000065	R-CARBON	10KOHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R7	2001-000027	R-CARBON	100OHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R8	2001-000105	R-CARBON	1.5KOHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R9	2001-000042	R-CARBON	1KOHM,5%,1/4W,AA,TP,2.4X6.4mm	1		
R9	2003-000191	R-METAL OXIDE	1Kohm,5%,1W,AA,TP,4.3x12mm		1	
R10	2001-000036	R-CARBON	330OHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R11	2001-000294	R-CARBON	10MOHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R12	2001-000042	R-CARBON	1KOHM,5%,1/4W,AA,TP,2.4X6.4mm		1	
R13	2003-000220	R-METAL OXIDE	220ohm,5%,1W,AA,TP,4.3x12mm		1	
C1	2306-001033	C-FILM,MPPF	330nF,10%,275V,TP,26x10x19.5	1	1	
C2~C3	2301-000010	C-FILM,PEF	100nF,5%,100V,TP,11.5x12.5mm	1		
C2~C3	2306-001034	C-FILM,MPPF	100nF,10%,275V,TP,17.5x8.5x15		1	
D1~D5	0402-000137	DIODE-RECTIFIER	1N4007,1000V,1A,DO-41,TP	5	5	
Q1	0501-000389	TR-SMALL SIGNAL	KSC815,NPN,400mW,TO-92,TP	1	1	
Q2	0501-000303	TR-SMALL SIGNAL	KSA733,PNP,250mW,TO-92,TP	1	1	
TRI1	1401-001027	THYRISTOR-TRIAC	16A,600V,10UA,750V/US,TO-220AB	1	1	●
TRI2	1401-001027	THYRISTOR-TRIAC	16A,600V,10UA,750V/US,TO-220AB		1	●
PC1	0604-001265	PHOTO-COUPLER	TRIAC,400MW,DIP-5,ST	1	1	
PC2	0604-001265	PHOTO-COUPLER	TRIAC,400MW,DIP-5,ST		1	
U1~U2	3812-000219	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1		
J1,JP1	3812-000219	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	1	
T1	DJ26-20001C	TRANS POWER	VC-5813,5P,230V,22V,50MA,1VA,50Hz	1	1	●
P1	3711-000203	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,WHT	1	1	
P2	3711-003406	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,YEL	1	1	
P3	3711-000024	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	1	1	
P4	3711-000940	CONNECTOR-HEADER	BOX,4P,1R,2.5mm,STRAIGHT,SN	1	1	
P5	3711-000880	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	1	1	●
P6	3711-003407	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN		1	
PCB MAIN	DJ41-00107A	PCB MAIN	FR-1,T1.6,W109*L95	1	1	
HS1	DJ62-00005A	HEAT SINK	AL,T1.5,W20,L66.5	1	1	
RIV1	6041-001014	RIVET-PH	D3.2,L10.8,AL	1	1	
HOLDER LED	DJ61-00466A	HOLDER LED	PP,DEEP GRY	1	1	●
PBA DISPLAY	DJ41-00106A	PBA DISPLAY	BODY,FR-1,L18*H13*T1.6,230V	1	1	●
LMP1	0601-000262	LED	ROUND,RED,5mm,700nm	1	1	
PCB DISPLAY	DJ41-00109A	PCB DISPLAY	SC7375H,FR-1,T1.6,W18*L13	1	1	

✵ A/S= ● : Service Available

2-2. PBA MAIN (DJ41-00105A/B)



Location No.	Code No.	Description	Specification	A	B	Remarks
PBA MAIN	DJ41-00105A	PBA MAIN	HARMONIC,V-TYPE,230V,50Hz	1		●
PBA MAIN	DJ41-00105B	PBA MAIN	FR-1,L109*H81*T1.6,V-TYPE,230V,50Hz		1	●
R1	2001-000110	R-CARBON	10OHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
R2	2001-001155	R-CARBON(S)	5.6KOHM,5%,1/2W,AA,TP,2.4X6.4mm	1	1	
R4,R5	2003-000654	R-METAL OXIDE(S)	33Kohm,5%,2W,AA,TP,4.3x12mm	2	2	
R6	2001-000575	R-CARBON	2KOHM,5%,1/4W,AA,TP,2.4X6.4mm	1	1	
C1	2306-001033	C-FILM,MPPF	330nF,10%,275V,TP,26x10x19.5	1	1	
C2	2301-000010	C-FILM,PEF	100nF,5%,100V,TP,11.5x12.5mm	1	1	
C3	2306-001034	C-FILM,MPPF	100nF,10%,275V,TP,17.5x8.5x15	1	1	
J1	3812-000219	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm	1	1	
JP1,JP2	3812-000219	WIRE-NO SHEATH CU	TCWA,300V,52mm(TAPING),1/0.6mm		2	
DIA1	1401-000128	THYRISTOR-DIAC	-	1	1	●
D1	0402-000137	DIODE-RECTIFIER	1N4007,1000V,1A,DO-41,TP	1	1	
ZD1	0403-000292	DIODE-ZENER	MTZ20B,20V,18.63-19.59V,500mW	1	1	
TR1	1401-001027	THYRISTOR-TRIAC	16A,600V,10UA,750V/US,TO-220AB	1	1	●
S1	3403-001090	SWITCH-PUSH	250V,12(8)A,SPST,ON-OFF	1	1	●
S2	3405-001046	SWITCH-MICRO	AC250V,8A,200gf,DPDT	1		
VR1	2102-000163	VR-SLIDE	350Kohm,20%,1/5W,TOP	1	1	●
P1	3711-000203	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,WHT	1	1	
P2	3711-003406	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,YEL	1	1	
P3	3711-003407	CONNECTOR-HEADER	1WALL,2P,1R,7.92mm,STRAIGHT,SN,RED	1		
P4	3711-000940	CONNECTOR-HEADER	BOX,4P,1R,2.5mm,STRAIGHT,SN	1	1	
P5	3711-000880	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	1	1	●
RIV1	6041-001014	RIVET-PH	D3.2,L10.8,AL	1	1	
PCB	DJ41-00108A	PCB MAIN	FR-1,T1.6,W109*L95	1	1	
HS1	DJ62-00005A	HEAT SINK	AL,T1.5,W20,L66.5	1	1	

✵ A/S= ● : Service Available